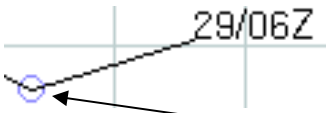
NAVAL MARITIME FORECASTING ACTIVITY – NORFOLK

KEY TO TROPICAL WARNING GRAPHICS

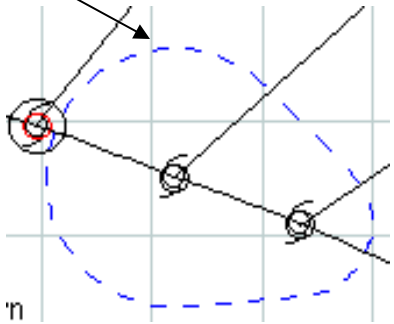
Several symbols are used to denote the strength of a tropical cyclone. A **closed circle with no tails** indicates a tropical depression, a **closed circle with tails** indicates a tropical storm, and a **filled closed circle with tails** indicates a hurricane-strength storm.

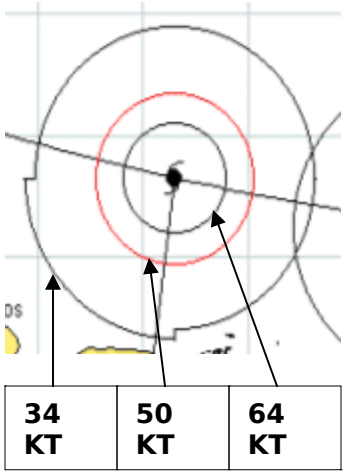


29/06Z indicates the date and time of the tropical system's position or expected position, in this case 0600 Zulu time (0100 EST, 0200 EDT) on the 29th of the month.

Blue symbols indicate past positions, while black symbols indicate forecast positions.

The blue dashed line on the graphic indicates the **Ship Avoidance Area** associated with a storm. While the hurricane track connecting the forecast points is a useful tool, it is important to remember the uncertainty associated with a tropical cyclone track. The Ship Avoidance Area gives a projection of potential storm progress from the warning valid time for the next 24 hours, based on historical forecast track errors.





The black and red lines around a projected tropical cyclone track indicate the **34 knot, 50 knot, and 64 knot wind radii** associated with the storm at a given point. The outermost black line indicates the 34 knot radius, the red line indicates the 50 knot radius, and the inner black line shows the 64 knot radius. Since not all cyclones have the highest winds associated with them, weaker storms will not have a 64-knot radius (and possibly no 50-knot radius also.) The actual number of miles for the radius in each quadrant is listed in the associated Tropical Cyclone Warning Message.

CPA TO:	NM	DTG
ANDROS_ISLAND	155	04/06Z
BARBADOS	153	30/18Z
BAY_SAINT_LOUIS	831	04/06Z
BERMUDA	834	02/15Z
CHARLESTON	662	04/06Z
FORT-DE-FRANCE	124	01/06Z
FORT_LAUDERDALE	313	04/06Z
GUANTANAMO_BAY	29	03/18Z
JACKSONVILLE	574	04/06Z
KEY_WEST	313	04/06Z
KINGS_BAY	576	04/06Z
KINGSTON	161	03/20Z
MAYPORT	567	04/06Z
MIAMI	302	04/06Z
NEW_ORLEANS	843	04/06Z
NORFOLK	912	04/06Z
PASCAGOULA	793	04/06Z
PENSACOLA	749	04/06Z
ROOSEVELT_ROADS	5	02/09Z
SANTO_DOMINGO	12	03/00Z
SAN_JUAN	11	02/14Z

The box in the upper corner of the graphic shows a list of locations throughout the Caribbean Sea and the United States and the tropical cyclone's current forecasted **Closest Point of Approach (CPA)** to those locations. CPA indicates the shortest distance from the storm center to the given location along the expected track. Distance is given in nautical miles (NM) and the corresponding time in

Tropical Cyclone Warning Message

Wind Radii Information

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RADIUS OF 064 KT WINDS - 015 NM ALL QUADRANTS
RADIUS OF 050 KT WINDS - 040 NM NORTHEAST QUADRANT
                         030 NM SOUTHEAST QUADRANT
                         030 NM SOUTHWEST QUADRANT
                         040 NM NORTHWEST QUADRANT
RADIUS OF 034 KT WINDS - 075 NM NORTHEAST QUADRANT
                         060 NM SOUTHEAST QUADRANT
                         060 NM SOUTHWEST QUADRANT
                         075 NM NORTHWEST QUADRANT
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